ANT/GRA/02

NGER

266 - 301

0009

DG 59 - 105

PCM 1969 (AMERY)

②

INDEX

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CANBERRA
A.C.T.

1969

PRINCE CHARLES MOUNTAINS SURVEY,
MACROBERTSON LAND,
AUSTRALIAN ANTARCTIC TERRITORY

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All bearings magnetic

→

SATURDAY FEB 1st 1969

Q in west side of NE trending snow filled valley N. west of △ the hill. (Graingers Valley)

(266) At S. end of banded gneiss as observed on the air photos.

Here the major rock type is a pink weathering leucocratic qtz feldspar (grey) rock [DG59] M-coarse grained and with some feld. porphs. Poorly foliated. Flesh coloured feldspars and glassy to pale blue-grey qtz. V minor ferromag minerals. Rock has a granular texture.

At locality 266 fold pattern difficult to pick out. Almost exclusively boulder outcrops. One small outcrop ? in situ observed Qtz-feld. granular rock as DG59

65 / 140

Northwards for 150 m. Rock type mainly variations of DG59 in addition of more ferromag mineral. Also thin sills ≈ 2-3 m. of bi-pyx? qtz-feld gneiss and bands ≈ 5 m of a [illegible]

Samples DG 60 } lat. 70° 45' S
61 } long 67° 48' E
62 }

speckled rock as DG 45. (= px feld rock)

Folding can be observed but v little outcrop

(267) Broad band 80m wide of medium grained bi-px qtz feld (gneiss) rather granular texture but better foliated than DG 59. Sampled $\boxed{DG60}$
Darker outcrop than DG 59 Contains about 30% dark minerals but probably appears darker than actually is because of ? dark qtz.
? outcrop strike $\vdash_{180}$ v steep

(268) On N side of ENE trending snow filled fault gully 25m wide banded gneiss variant of DG60
Bands a few cms thick of DG60 and coarse grained px qtz feld gneiss and also fine grained dark bands of DG45. Similar to DG 44
$\times^{65}_{140}$ Joints $\nearrow_{210}$ closely jointed ½-1m

Outcrop only 2m wide grades into coarse grained porphyroblastic bi gneiss as DG58 outcrop approx 8m wide then band of DG 60 and variants of darker gneiss speckled as DG 45
Strike as at 268

(Also note differences in rock types between N & S limbs of main fold. S limb has narrow outcrops of alternating gneiss alternately qtz-feld rich & pyroxene rich. Only very minor garnet gneisses. N. limb has mostly garnet gneisses either as DG 61 or varieties. Only minor dark bands and qtz feld gneiss similar to S limb. Outcrops on N limb cannot be traced with any certainty around S limb

The much wider outcrop pattern on the N limb of the fold may be due to a lessening of dip of the steeply dipping rocks of the S limb (but see locality 871 where dip steep.) Alternatively, the wider outcrops could be due to the dip being into the hillside

Main fold seems to be a synform plunging WSW. On the [illegible] photos intricate folding within the dark bands can be seen. To the south of the fault (i.e. by locality 668) a synform plunges ENE. Most of the northern limb has been sheared out by the fault.

Traverse until more variations of light & dark gneisses as above with narrow ? 5m bands of qtz-feld garnet rock. Also rock hypers. DG 48

△ On ~~west~~ N limb of fold outcrop pattern different from south side where many narrow bands! On north side outcrop much wider. Here rock type which has a light coloured photopattern is DG 61

(269) qtz garnet qtz feldspar rock. coarse grained and ± pure gneiss. Boulder outcrops only. Between the garnet rock is rubbly float of qtz feld ± gt gneiss and occasional dark gneiss on a east limb

(270) Return up hillside. Dark band on photo is med-coarse grained bi py granulite? coarse grained variant of DG 45 (Variant of the "pepper and salt" rock as DG 60 etc) DG 62 60-70% dark mineral. Little or no foliation. Granular texture

6928/0105

(271) St 65 140 coarse grained Speckled rock as DG 62 in banded gneiss. Alternating Qtz feldspar ± gt gneiss and darker bands of DG 62 and DG 60 Approx. dip only – may have been affected by surface creep. Bands about 8-10 m wide

By saving to the block by 20

(272) Traverse south-west along south side of NE trending valley for about 2 miles

Only feldspar granulitic rock as DG 59 at 260m, and more foliated by presence of lenticles of q.f. Boulder outcrop only. Flat pink coloured outcrop

U/p slope boulder outcrop with varieties of q.f. feld gneiss and darker bands similar to DG 60 and DG 62.

? strike of 290° gneiss as DG 60.

On the ground the outcrop pattern is not distinguishable

Whaleback.

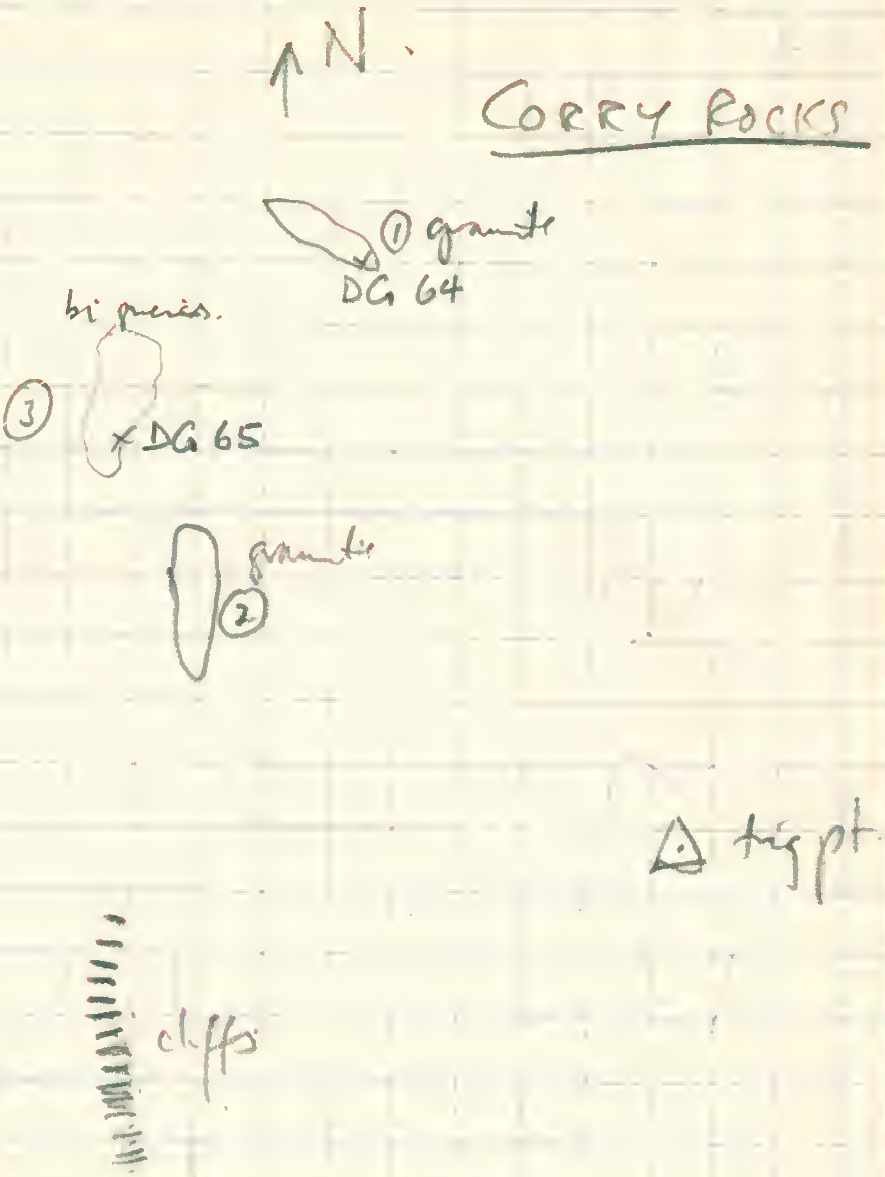
(273) Boulders west of (~~camp site~~. Foliated granitic gneiss (similar to a Δ hill)
Coarse grained and possibly porphyroblastic **DG 63**
form. Tor-like outcrop. Grey coloured outside face.

Foliation 70 115 Joints 15 115

More dark minerals than the porphy. granite gneiss at camp site (Similar to DG 38).

Some coarser grained pegmatite [illegible] foliation

lat. 70°47' long 67°45'


N
CORRY ROCKS
① granite
DG 64
bi gneiss.
③
× DG 65
granite
②
trig pt
cliffs

5th Feb 1969

North end of Corry Rocks.

The two larger upstanding outcrops are porphyritic (biotite granite with prominent N/S and E/W (approx) joints

(275) Locality ② is similar to ① but more porphyritic and more closely jointed especially in N/S direction.

(274) Sample DG 64 from locality ①

(276) Locality ③ a low boulder outcrop. Coarse grained biotite gneiss, slightly porphyroblastic closely jointed (rectilinear) (about ½–1in apart) Sample DG 65.

Frost shattered outcrop but approx. in situ as shown by jointing and some ? banding.

Do not consider it to be moraine because of jointing and ? banding. Also high above present level of ice.

Lat 76°17' Long 71°44'

p.t.o.

LARSEMANN HILLS

FRIDAY 14th FEB

Petrel Ridge

(277) On cliff face on E side of △ ridge
highly migmatised garnet biotite qtz feld
rock. A coarse grained granoblastic texture
light coloured. Dark minerals about 10%.
Strike about 310° with approx vertical dip
but strike & dip v difficult to obtain
Much contortion and obliteration of gneissosity
Contortions emphasised by swirls of biotite and
garnet. Garnet in body of rock usually as
small dark red grains but in garnet-bi
rich swirls it sometimes forms aggregates
and large porphyroblasts. The rock weathers
yellow brown. Close jointing 325° 230° (a few long joints 05°)

Sample SG66

Within the main granoblastic migmatite
are lenses and irregular veins of more
pegmatitic material of similar composition
Granitic appearance & texture - merges with
the main rock - coarser grained but with
less biotite and with larger garnet
aggregates up to 1.5 cms. Bi usually as

SG67

small books → 1cm Occasional aggregates of black px.

Main rock has little structure apart from minor ghost structures of the original gneiss. Massive and only minor foliation.

The coarse grained granitic type rock has minor porphyroblasts of feldspar → ½ cms.

Minor v coarse grained pegmatitic veins and irregular masses of order of 1m. diam. Feldspars → 5cms. length.

DG66 sample of the coarse grained gt bi qtz feldspar rock

DG67 sample showing the relationship of the v coarse grained granitic textured rock to DG66.

DG66 : DG67 about 60:40.

(278) Up cliff towards △ the massive granoblastic rock gives way to a more gneissic rock garnet bi qtz feld. gneiss med - coarse grained Rock light coloured but weathers brown Similar to DG66 except for increased foliation due to films and aggregates of bi + gt

(279) ✓ ΔG 69 } varieties of
✓ 70 } Banded aug gneiss
✓ 71 }

ΔG 69 ~ } large garnets [illegible]
Ws ΔG 73. } Olivine?
NOTE blue grey colours of weathered surface

Rock is contorted but strike approx 300°. Veins and irregular lenses of coarser-grained material as in DG67 – Xcutting & conformable from 1cm → 1m.

Irregular swirls of λ of few cms

✓ DG 68 Typical of rock type and shows contortions. More garnet than bi

(279) At △stn and on summit ridge variations of DG 68 – $\overset{micro}{,}$ banded qtz bi qtz feld gneiss – bands 1-2 cms wide. Some contorted zones as DG 68

General strike $\overset{290}{\underset{70}{\top}}$ Joints $\overset{315}{\underset{80}{\times}}$ and flat lying

Banding consists of alternating qtz feld rich and bi rich layers. Qtz-feld bands often coarser grained than most of rock and tend to form small ridges on weathering – being more resistant.

Minor amounts of finer grained more or less qtz feld. rock minor gt ~~xtra~~ forms conformable tongues (often more bi rich)

Minor Pg. veins and lenses BiQ! → 1m wide. Larger ones are found to [illegible] [illegible] (V. large brown feldspars – [illegible])

Along strike NE from △ stn there are several lenses up to 3 m wide and 5-6 m long of v. coarse granitic pegmatite. Brown feldspars → 10 cms long. Irregular lenses but usually conformable.

Largest peg extends for 50m along strike NE from below △ pt. Width varies but up to 3 m. B.Q.F. minor. Large aggregates & pockets of dark red garnet → 2 cms.

x cutting lenses & pods of grey material

Streaky gneiss
[illegible]
DG 72

Other rock types consist of gt bi qtz feld gneiss with interrupted bands and lenses of qtz / feldspar — a variant of the main rock type. At first glance the lenses appear to be feld porphs but are actually aggregates of (qtz feld) minerals. The lenses and bands are up to 6 cms long and 1–2 cms wide. They are thicker in the apices of small folds and contortions. Appear to grade laterally and across strike into the main banded gneiss. Seen several such intervals.

These two rock types are veined with med-grained (coarse) "granite" — qtz feld + minor bi to gt. Irregular pods and lenses. Granite grades into the country rocks. Similar to the coarse grained variant — DG 67

Also the two banded rocks pass into a equigranular granoblastic coarse grained 'ore' weathering rock slightly greasy qtz-[illegible] feld. rock (similar to DG 66) this rock type

[Sample DG 73]

[illegible]

gneissic,
granitic rock

of only minor importance but the banded varieties pass laterally into it without any break (see sketch)

Minor streaks and bands up to 5m long and a few cms wide of garnet biotite schist and garnet-rich rock. Garnet aggregates and porphyroblasts → 2 cms Conformable.

(250) NE along strike from Δ Sth 70m. similar rock types. Thin veins of pink pegmatitic material in joints Veins about 5-10 cm wide. Coarse grained. Pink feldspar, clear qtz, garnet biotite + yellow green granular mineral ? epidote

steep dip SW

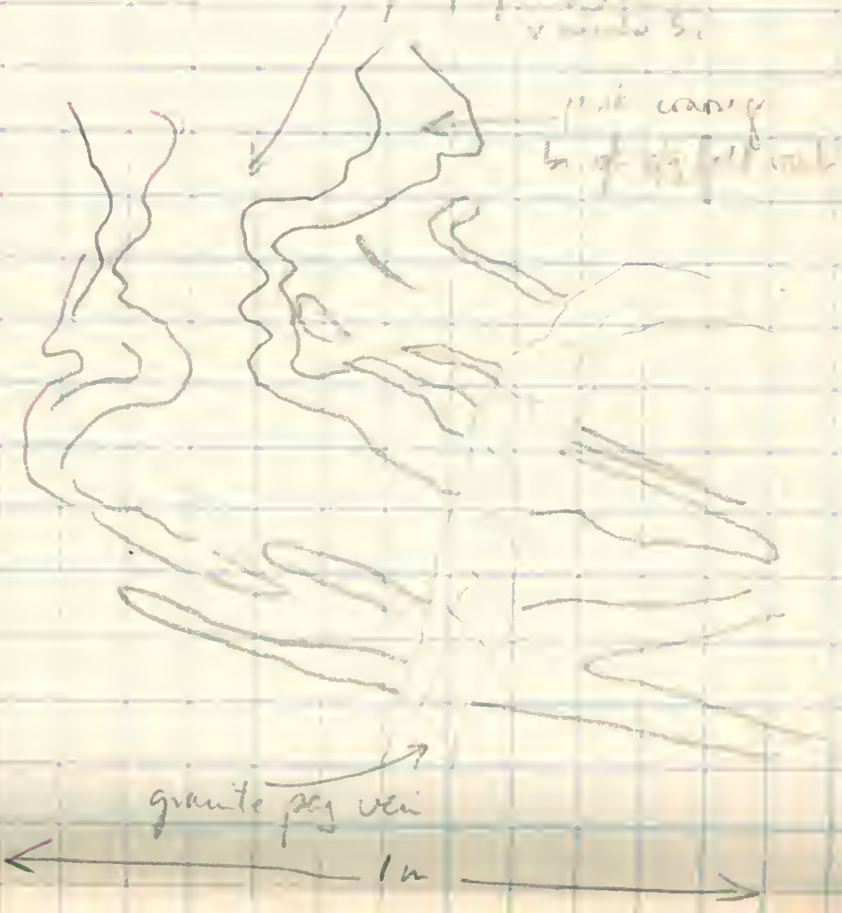
In major joints 15°. Two such veins - joints 15 m apart. Also a cross cutting vein pinches & swells → 20 cms Strikes 45° vert

Fragments of country rock within larger vein. Appears to be no alteration effects along the vein. Sharp contact. DG 74 - 75

Veins cross cut ptygmatic folds with country migmatite. Ptygs. similar comp to the veins but finer grained ptyg. veins stand out from surface of rock.

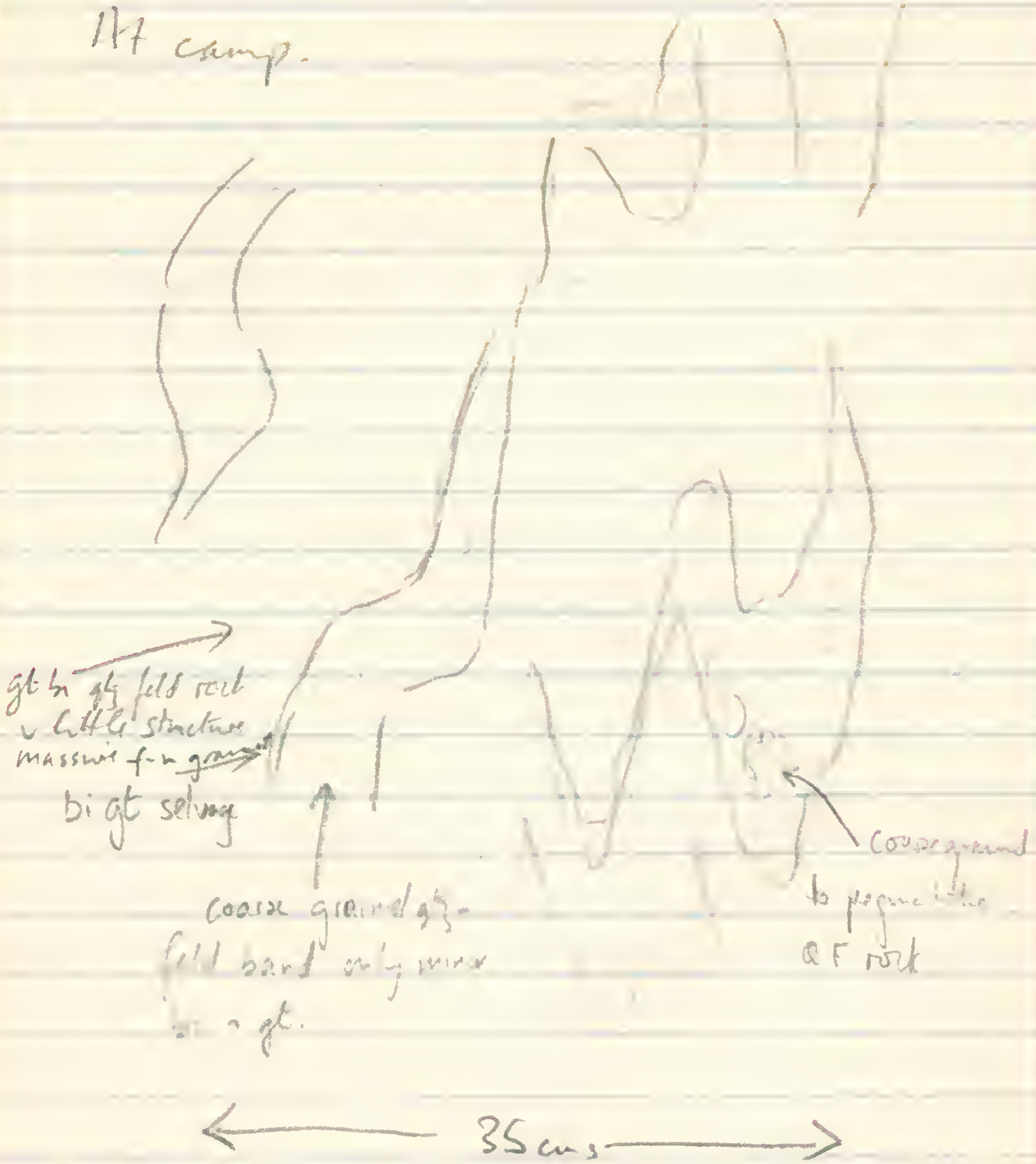
grey country rock richer in garnet than the pink ptyg veins

fine grained grey qtz-str-feld rock ± minor Si

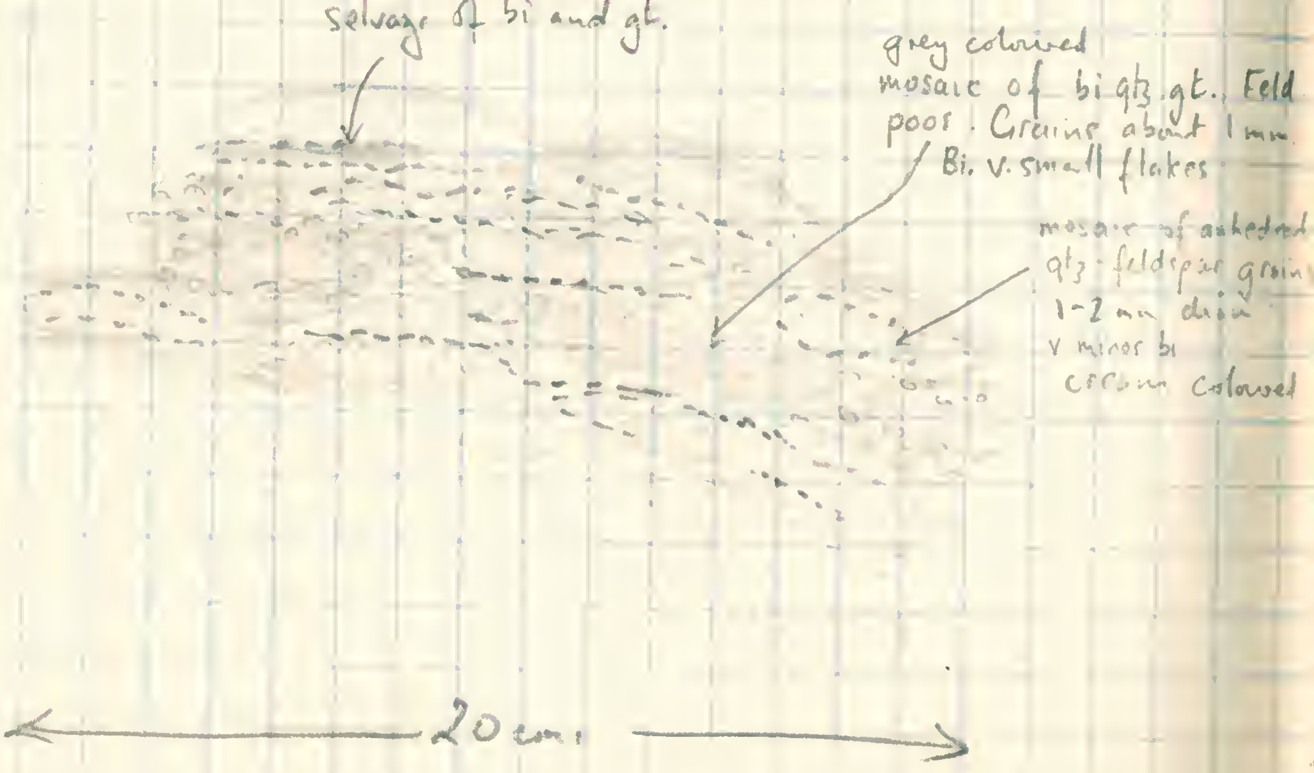

pink coarse
bright qtz-feld rock
granite peg vein
1 m

Photo

At camp.


gt bi qtz feld rock
v little structure
massive f-m grained
bi gt selvag
coarse grained qtz-
feld band only minor
bi + gt.
coarse grained
to pegmatitic
QF rock
35 cms

"Streaky gneiss" (augen gneiss)


selvage of bi and gt.
grey coloured mosaic of bi qtz gt., Feld poor. Grains about 1 mm. Bi. v. small flakes
mosaic of anhedral qtz - feldspar grain 1-2 mm diam v minor bi cream coloured
20 cm.

The Δ ridge consists of migmatites – bi garnet qtz feldspar rocks. Banded and streaky migmatitic gneisses grade laterally and across strike into one another and into gneissic "granite" containing "ghost" gneissic structures shown by streaks of bi and garnet.

The strike is approx NE but there is considerable local variation and contortion. Contortion especially noticeable in the various banded migmatitic gneisses. Ptygmatic folds on a small scale are common. Pegmatitic lenses, pods and irregular veins are common (largest 50 m × 3 m in [illegible]). Three pegmatitic granite veins and several stringers crosscut the strike. Veins up to 20 cm thick. Red pegmatite emplaced in joints.

Minor streaks and lenses of bi garnet schist. Minor iron staining observed and sample of ? Cu. phosphate staining associated with Fe from zone within migmatite.

(280 A) Sample DG. 76 Blue-green staining [illegible] rock – band 2 m × 20 cm

? Copper phosphate mineral. It is not the malachite green colour.

(279) Samples DG 77, 78, 79, 81
sequence of migmatisation leading to
granite gneiss

(279) DG 80 sample showing banded gneiss
merging laterally with gneissic [illegible]
granite gneiss

SUNDAY 16th FEB

On NW side of the ridge cross streaky mig-
gneiss highly contorted and containing
considerable granitic material.
On side of ridge banded and streaky,
[illegible] gneiss

(351) Sample of typical banded gneiss
DG 52 Qtz feld bands ~ 1cm. Thinner
feld poor bi rich bands. Alternating
Local contortions but strike & dip more
regular than on previous ridge.
Fol. $^{305}\diagdown_{35}$ Joints $^{275}+^{10}$

Rock grey coloured with cream - pale pink
qtz feld bands. Med grained rock but qtz bands
somewhat coarser grained. Biotite flakes & small
garnets dark red → 5mm. Bi schlieren

Across gully and down ridge side similar
banded and minor streaky gneisses as DG 52
(352) Banded Qt Bi (pyroxene?) gneiss DG 53
about 40cm wide outlines small fold
Tight folding. Fold axes strike 110° dip 35

SE 65 110 → 60 Plunge of axes 60° towards NE

Overturned W limb

Contortion of adjacent banded & streaky gneisses. Irregular peg veining

(283) ~~Down~~ slope banded & streaky gneiss becomes more migmatitic similar to near Δ pt. Swirls and contortions of gneiss grading into granitic material laterally and across strike.

DG 64 Granitic gneiss porphyroblastic. Apt be [illegible] feld gneiss. DG 82 and streaky gneiss grade into DG 84 which in turn grades into DG 85 granitic gneiss coarse grained garnetiferous.

(284) In gully at bottom of ridge a well banded augen gneiss (streaky gneiss) [illegible].

Between 283 & 284 Migmatitic gneiss & gneissose granite becoming augen gneiss towards 284.

Long Fe stained joints 025°.

Rock stained brown and yellow. Some intervals v. Qtz feld rich and with layering of garnets layers or bands of garnet several cms apart.

Rocks adjacent to the stained [illegible] [illegible] but the rocks un-affected.

stage (streaky gneiss) seems to be better developed than banded gneisses where rocks are contorted and swirled. Possibly formed from banded gneiss during metamorphism. Seems to be a stage nearer the gneissic granite.

(283) A On low ridge to W of generally migmatite as above. Isolated pods of bi/gt schist & rock and qtz bi py gneiss (as DG83) Also bands of the darker rocks several metres long showing folds (tight) as at location 282

General strike NE dip 50°+ to SE

(284) West across strike migmatites become more leucocratic, ~~and~~ ~~[illegible]~~

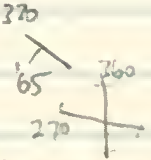
(284) A On west side of ridge Fe stained lenses. Fe stained gt bi ±F gneiss &
> bi. ret qtzite? Sample DG 86. Some blue green staining. V. minor bi in the Fe stained rocks. Widest Fe stained band 6 m.

Main rock type to W. of Fe staining, in good weathering leucocratic bi ±F gneiss with streaks and veins of gt [illegible] coarser grained than the med grained gneiss.

of rock i.e. banded. Swirls and contortions in the banding. Also pods and veins of peg. material mostly conformable. (QF gt) In peg veins garnets → 1cm.) Some bi. peg.

General strike of foliation

Joints



Similar to many of the banded varieties at △ but differs in having larger garnets confined to the qtz feld veins and streaks (Good sample unobtainable)

Grades W. into massive pink weathering grey rock - garnet bi granite pink feldspars in equigranular med - coarse ground [illegible] almost gt plane in part of outcrop.
but some coarser feldspar rich zones.

Sample. DG 87

This appears to be a [illegible] [illegible] [illegible] environment!! Similar mig. gneiss as above to W on edge of [illegible] filled valley.

On W. side of valley appears to be similar massive pink weathering rock as DG and migmatitic zone. Large scale bands of Fe stained rock

(279) On △ ridge near camp site erratic of grey sheared rock with eyes of white ?feldspar

Sample DG 88

Returned to △ stn.

P.m. traverse on ridge southeast of △ stn

(285) Ridge SSE of △ ridge
Migmatitic gt biotite gneiss with bands of v. bi rich rock up to 1m thick and lenses and streaks of gt bi rock.
Alternation of the migmatitic rock with biotite gneiss (no garnet) Sample DG 89
Fol. Strike approx 305°. Dip variable generally steep to E. but some folding.
Poorly foliated medium-coarse grained biotite gneiss. Some coarse grained bi rich peg lenses & pods.
Garnet ^{Bi} peg. veins → 5 cms wide
Strike 235°

Minor Fe stained bands usually bi or bi px rich
On east side of ridge the massive red grained bi gneiss becomes dismembered, in part strongly veined and impregnated with granitic material. Diffuse boundaries
Joints 320° + 250
Yellow brown weathering. Diffuse [illegible] and outlines of alk. feld rich [illegible] ?'ghost' foliation structure
i.e. perhaps DG 89 = end product of migmatisation!

Across snow filled valley, with small ridge to east.

(286) Coarse grained augen [illegible] ~~granite~~ DG90
Coarse grained granite and hornblende garnet bi alk feld gneiss intensely veined
Up slope passes into banded & augen gneiss

(286) Up slope the dark band about 25m wide consists of bi gneiss heavily veined with bi gt porphyroblastic garnet porph, pegmatite, and Fe staining.
Within the rocks are highly contorted.

This dark horizon possibly the same horizon ~~that~~ seen in [illegible] [illegible] at Location 285

Yes

Sample DG 91 of the typical bi gneiss medium grained bi rich bi qtz feld gneiss.

In some of the garnet-biotite streaks and pegmatitic material garnet aggregates up to 15-20 cms [illegible] pegmatites

No garnet observed in bi gneiss

(287) At S end of ridge open folding axes strike 285° dip SE at [illegible] 65° Plunge N at approx 35°.

Bi gneiss and qtz feld gneiss alternate - bands from a few cms to 1 m thick also some Fe stained [illegible]

(287A) N along ridge irregular alternation of biotite gneiss with brown to yellow brown weathering coarse grained granular bi qtz feld rock. Possibly the irregular alternation are due to repeated folding.

Sample DG 92 of the coarse grained granular rock - massive little foliation.

A few pods and irregular bands of coarse granite material

Garnet occurs only as isolated pods -

pegmatitic + granitic material

(288) On highest pt on ridge similar rock to DG92 but garnetiferous + pegt
Large open joints 320° Fe stained along them and 220

(289) On isolated hill to E Tor like outcrops of pink migmatite coarse grained garnetiferous + pods similar to DG8?
[illegible]

(Black lichen or moss from dried rock pool)

(290) At N end of ridge big quarry and bright green of several varieties weather yellow.
Migmatised to varying degree
Sample DG93 of as fresh field green partly stained yellow colours due to weathering.
Also Fe stained sand
The rocks are folded + open symmetric folds plunging N and fold axial plane NE

Seems to have been preferential migmatization of certain horizons → pink massive migmatite. Most units however are veined and have pods of pegmatite and granitic material.

MONDAY 17th FEB 1969

(291) In gully near radio post ¼ mile N from camp between △ ridge and ridge to NW.
Having covered was 'same rocks' as 283 284 etc (continuation along strike of these rocks)

Various migmatites yellow weathering and pink weathering with bands and streaks of gt. bi rich rock

DG 94 sample of gt bi rock
Some bands continuous along strike for 10's of metres - others more streaky.

DG 95 Sample of pink migmatite
Pink granitic material invading gt bi qtz felds gneiss. Zone about [illegible]
Generally strike 305 70 but contorted folding indicated by the bi rich bands as at
(282) Joints 200 [illegible]

Immediately W yellow weathering migmatite gneisses with bands of [illegible] of gt bi rock ~~[illegible]~~ DG 99!

(292) Cross gully striking 310° from [illegible], topographic feature thus melt water cut. Approx 25 - 30 m wide. Melt water stream flowing northwards.

On west side of gully red migmatite as at 291

Up onto ridge pink & yellow weathering migmatites. Some bi rich bands, and [illegible] blocks and a band 30 cms thick of Fe stained qtzite.

(293) On west side of ridge [illegible] [illegible] of [illegible] DG 100

As a general observation the migmatites N. [illegible] & from near the bottom of the ∆ ridge are gt rich and [illegible] weathering yellow. [illegible] in colour especially when observed from a distance. They tend to have more Fe stained [illegible] with them.

(293) Sample DG 96 is a typical sample of [illegible]

Within the qtz vein migmatites are horizons of qtz bi migmatites which have a greasy grey orangey colour.

The bottom part of △ ridge is banded on a large scale, with the yellow brown migmatite with at least two narrower bands of grey fine migmatite (plus the Fe horizons)

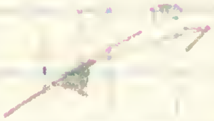
(294) Across some fallen gully with cliff face: Similar qtz vein migmatites but somewhat finer and banded of qtz bi yellowish "gneiss" (?46) gneiss [Sample DG 97]. Veined, folded and highly contorted and irregular.
General strike 30 55

Also Fe staining through a qtz vein zone whole complex abuts 30m wide on ridge. Some Cu staining (rare)
Continues as irregular band along strike to SW for at least ½ mile.

Westwards magnetite becomes [illegible] in migt.
grey pale weathering. Passing to poor
mig.

(295) Hill 295 is composed of red mig.
(Grey background of qt + fs felds - broad
elements 'red granitic material) on
Sample DG 95

Summit of hill variety of migmatites
but yellow weathering granitic rock is
dominant. Irregular streaks bands + patches of
the bright mafic grains ~ in mig. It may be
possible that the gt. rich mig. is the
end product of migmatisation and
has 'digested' the basic ...
(check literature). Yellow brown
rock has a more homogeneous appearance.
But may be ~~this~~ because the 'rubble'
the rock type may be result of
original composition of rock
i.e. qt 40% grains and qt + felds grains



On west side of hill 295 yellowish
and red migmatites
Open folding axes ↘ 125 → 60 c. Dip of [illegible]

Fold envelopes dip to gt. [illegible].

Major [illegible] 280 30
General foliation 200 60

289 [illegible] [illegible] 230 55

At N end and W side of hill red
migmatite E dip [illegible]

? large scale fold

(291) Hill 297 seen from 296. Large scale
banded mig. appears to dip steeply to
E.

14

(298) Granite vein 1 m wide 300 ∠60

X cutting gently east dipping mig gneiss

Granite varies in grain size. Mostly coarse grained but fine med. grained at margins in places. Also [illegible] variation

Garnetiferous and with yellow green mineral ? epidote

Pink feld. qtz & biotite.

Sample DG 98

Biotite selvage along part of vein

Boundary [illegible] sharp but diffuse where aligned qtz in mig gneiss

---

Large scale banding in migmatites due to original compositional differences

Minor [illegible] at DG 40

eg DG 57

Central area N | S Laxian [illegible]

? but possibly N & W extremities [illegible]

? different rocks (darker in colour) and

No!! may [illegible] in the N. [illegible]

From Lurgenamm △ Eolinge Is. appear to be migmatitic in Cargeable banded rocks with (Cargy red pink beam ?) ? granite

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Eastern group of Shaneamore hill intruded (veined) in Cargy rocks by granite Cargy pink vein. Appears migmatitic

An isolated outlier a little way to the SE of the group is a light coloured rock banded with thin dark bands ? mafic granophyre with [illegible] pale grey rock => darker banding.

On [Scale Ti] △ hill [main], banded migmatite granite. [illegible] mineral lineation of 50° towards 110°

and 45° towards 95°

Note dip of foliation to NW (local variation) at this particular locality rather than NE

279 DG 101 Non magnetic band in gneiss
Thin band 20 cms wide within the migmatite at Δ stn.
Several such bands found elsewhere in the range

Honeycomb weathering a common feature of the Larsemann Hills

(299) Bolingen Is. st 90 dip 70 to W
7 90

Biotite qtz gneiss [DG 103] (strong lineation) dip foliation plane toward W with concordant veins of granitic material [DG 104]. At contact DG 104 50 cms thick. Pinches + swells — almost boudinage.

Large [illegible] band [DG 105]
v. light coloured [illegible] coloured qtz feld gneiss with minor bi & [illegible] pegmatitic pods, veins and streaks of several inches or 10's of inches thickness.

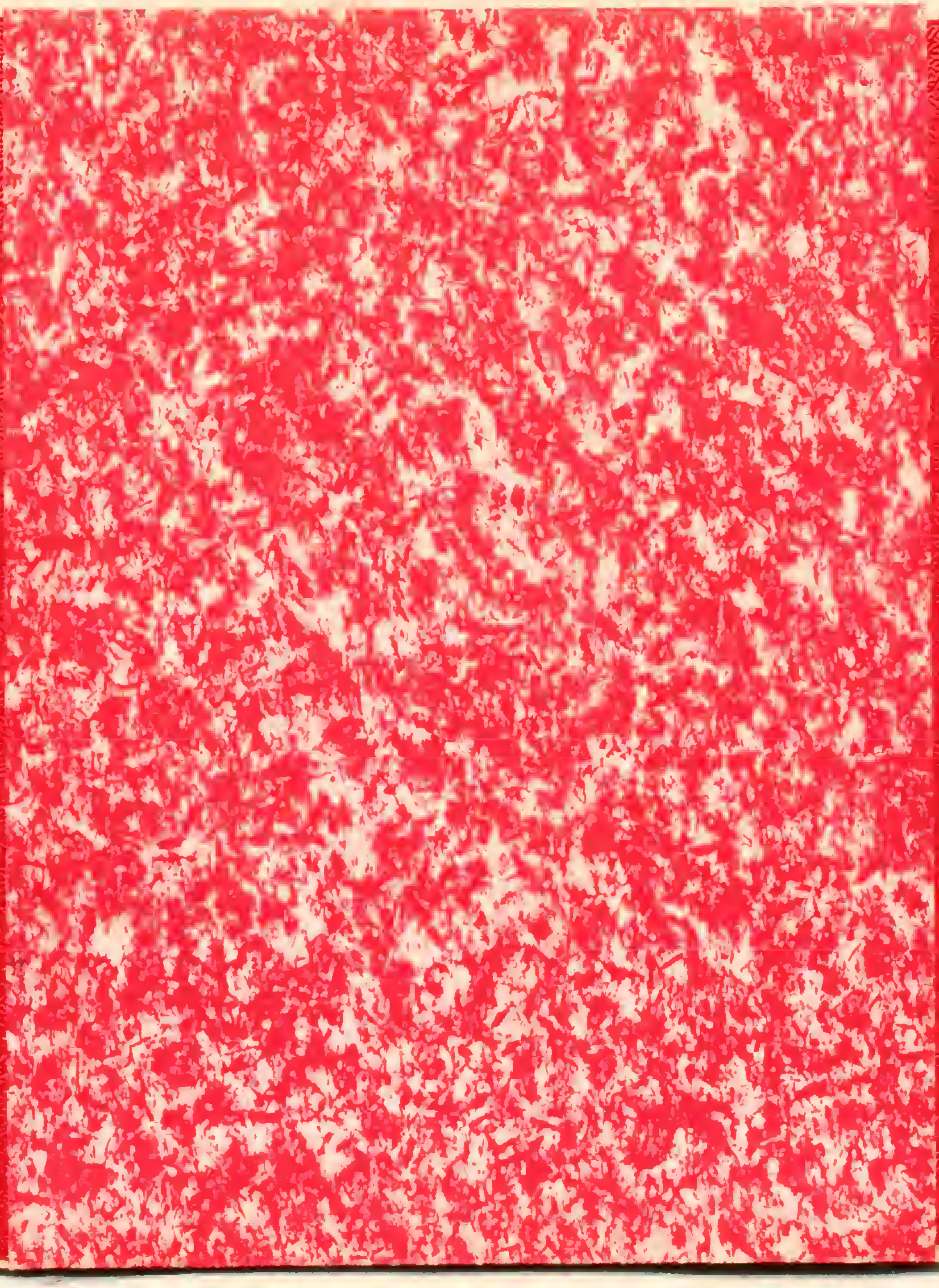
Whole of the rock slightly and irregularly banded [illegible] hinges.
Appears to be intricately folded.

(300) At Rendering Island Cape fold (synform plunging moderately towards

with [illegible] Mainly [illegible] [illegible] gt fld
green with gt and bt, with bands of
gt bi gneiss etc.

(301) Northern part of S. Larsemann group
in migmatitic bi gt gneiss and at
and near △ stn

DG 102 Mig. bi gt gneiss

The dark coloured hill mass
noted in the north from △ hill appears
composed of bi gneisses + probably
pyroxene granulites etc — could not
land chopper to sample but from
air looks like the typical dark
gneiss seen elsewhere (but not so
well developed elsewhere). Fe stained
and veined with lighter coloured bands
— probably more gt rich gneisses.
Other stained pitted coloured rocks
also observed.